

Title (en)
Refrigerator

Title (de)
Kühlschrank

Title (fr)
Réfrigérateur

Publication
EP 2682696 A3 20160810 (EN)

Application
EP 13174877 A 20130703

Priority
KR 20120074210 A 20120706

Abstract (en)
[origin: EP2682696A2] A refrigerator having a freezer compartment and a refrigerator compartment that circulates a plurality of individual refrigerating cycles using a plurality of compressors (32, 42) so as to individually cool the freezer compartment and the refrigerator compartment. The refrigerator includes a plurality of compressors, a plurality of condensers (33, 43), a plurality of expansion valves, and a plurality of evaporators. One of the plurality of condensers (33) is disposed in a machine compartment (23) and the other condenser (43) is disposed outside the machine compartment so that a heat dissipation effect of the machine compartment may be improved and arrangement availability may be increased. Also, the refrigerator includes a plurality of compressors, a dual path condenser, a plurality of expansion valves, and a plurality of evaporators. The dual path condenser may have a plurality of individual condensation paths.

IPC 8 full level
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CPC (source: EP KR US)
F25D 11/00 (2013.01 - KR); **F25D 11/02** (2013.01 - US); **F25D 11/022** (2013.01 - US); **F25D 17/06** (2013.01 - KR); **F25D 17/065** (2013.01 - US); **F25D 17/067** (2013.01 - US); **F25D 19/00** (2013.01 - KR); **F25D 23/003** (2013.01 - EP US); **F25B 39/04** (2013.01 - EP US); **F25B 2400/061** (2013.01 - EP); **F25D 19/04** (2013.01 - EP US); **F25D 2323/00261** (2013.01 - EP US); **F25D 2323/00271** (2013.01 - EP US); **F25D 2400/14** (2013.01 - EP US)

Citation (search report)

- [XYI] EP 2431687 A2 20120321 - LG ELECTRONICS [KR]
- [Y] US 2012060545 A1 20120315 - RAFALOVICH ALEXANDER P [US], et al
- [X] DE 202008000634 U1 20090528 - LIEBHERR HAUSGERAETE LIENZ [AT]
- [A] US 4317334 A 19820302 - BURGESS EMERSON F
- [A] JP H0331681 A 19910212 - SANYO ELECTRIC CO
- [A] JP 2005140410 A 20050602 - MATSUSHITA ELECTRIC IND CO LTD
- [A] DE 9002083 U1 19900419

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2682696 A2 20140108; EP 2682696 A3 20160810; EP 2682696 B1 20200311; CN 103528309 A 20140122; CN 110617669 A 20191227; CN 110617669 B 20211008; KR 102103951 B1 20200424; KR 20140006679 A 20140116; US 2014007611 A1 20140109; US 2016138848 A1 20160519; US 9267725 B2 20160223

DOCDB simple family (application)
EP 13174877 A 20130703; CN 201310284828 A 20130708; CN 201910903531 A 20130708; KR 20120074210 A 20120706; US 201313935811 A 20130705; US 201615007636 A 20160127